



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Kleinman et al.

Art Unit : 1643

Serial No. : 09/772,445

Examiner : Unassigned

Filed : January 29, 2001

Title : THYMOSIN BETA 4 PROMOTES WOUND REPAIR

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Commissioner for Patents  
Washington, D.C. 20231

MAY 29 2001

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## INFORMATION DISCLOSURE STATEMENT

## UNDER 37 CFR §1.97 and §1.98

Sir:

Enclosed for filing in the above-referenced application is a Form PTO-1449, being submitted prior to the first Office Action on the merits. The following documents are enclosed herewith:

- Form PTO-1449
- copy of the International Search Report
- copies of cited references
- Postcard

## REMARKS

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

## CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

May 23, 2001

Date of Deposit

Signature

Marian Christopher  
Typed or Printed Name of Person Signing Certificate

O I P E  
Applicant : Allan L. Goldstein  
Serial No. : 09/772,445  
Filed : January 29, 2001  
Page : 2

Attorney's Docket No.: 08830-056001 / E-131-98/0

MAY 25 2001

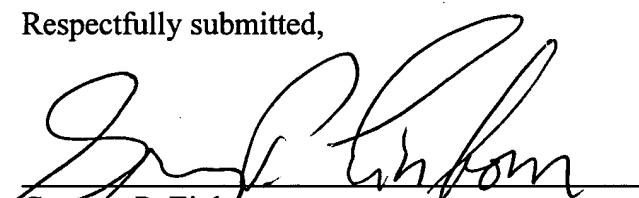
A copy of the International Search Report for PCT/US99/17282, mailed January 12, 2000, a counterpart international application, is enclosed for the Examiner's convenience.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 06-1050. Please credit any overpayment to the above-noted Deposit Account.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at (858) 678-5070.

Respectfully submitted,

  
\_\_\_\_\_  
Gregory P. Einhorn  
Reg. No. 38,440

Date: May 23, 2001  
\_\_\_\_\_  
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## PATENT

ATTORNEY DOCKET NO.:

08830-056001

The Patent and Trademark Office date stamp sets forth the date of receipt of:

Applicant or Patentee KLEINMAN ET ALNo. (Application, Appeal, Interference, Patent, Reexam) 09/772,445Filing or Issue Date JANUARY 29 2001Title: THYMOSIN BETA 4 PROMOTES WOUND REPAIR

Transmittal Letter (2 Copies)  With Pet. for Ext.  
 Assignment  Status Inquiry  
 Amendment/Response \_\_\_\_\_ Pages  Declaration  
 Maintenance Fee  Request Certificate of Correction  
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 Deposit Account Order Form (2 Copies)  Appeal Brief (3 Copies) \_\_\_\_\_ Pages  
 Issue Fee  Request Patent Copies  Petition for Extension Time  
 Information Disclosure Statement (DPP)  PTO 1449 Form- \_\_\_\_\_ Pages

Prior Art References-Number of References 11

Drawings \_\_\_\_\_ Sheets Formal \_\_\_\_\_ Sheets Informal \_\_\_\_\_ Sheets Amended  
 Notice of Missing Parts  
 Combined Declaration and Power of Attorney  
 Small Entity Statement

Other COPY OF INTERNATIONAL SEARCH REPORT FOR  
PCT/US99/17282 (8 pp.)

Atty/Sec. GRE/MLC Client/  
Initials GRE/MLC Matter Name NATIONAL INSTITUTES OF HEALTH Date 5-22-01

MAY 25 2001

PTO-1449 (01-04)

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Sheet 1

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Substitute Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
08830-056001Application No.  
09/772,445Information Disclosure Statement  
by Applicant  
(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Allan L. Goldstein et al.Filing Date  
January 29, 2001Group Art Unit  
1643

## U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,543,340	Sep. 24, 1985	Goldstein et al.	436	542	Apr. 7, 1983
	AB						
	AC						
	AD						

## Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	No
	AE	WO 96/16983	Jun 6, 1996	PCT	C07K	7/08	X	
	AF	WO 97/48805	Dec 24, 1997	PCT	C12N	15/16	X	
	AG	0 124 779	Nov. 14, 1984	EPO	G01N	33/56		X
	AH	WO 94/11499	May 26, 1994	PCT	C12N	15/12	X	
	AI		.					

## Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AJ	Malinda, K.M., et al., "Thymosin $\beta_4$ stimulates directional migration of human umbilical vein endothelial cells," FASEB JOURNAL, vol. 11, no. 6, (1997), pp. 474-481.
	AK	Sun, H-Q, et al., " $\beta$ -Thymosins Are Not Simple Actin Monomer Buffering Proteins. Insights from Overexpression Studies," JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 271, no. 16 (1996), pp. 9223-9230.
	AL	Nimni, M.E., "Polypeptide growth factors: targeted delivery systems," BIOMATERIALS, vol. 18, no. 18 (1997), pp. 1201-1225.
	AM	Frank, S., et al., "Regulation of Vascular Endothelial Growth Factor Expression in Cultured Keratinocytes," JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 270, no. 21 (1995), pp. 12607-12613.
	AN	Sabolinski, M.L., et al., "Cultured skin as a 'smart material' for healing wounds: experience in venous ulcers," BIOMATERIALS, vol. 17, no. 3 (1996), pp. 311-320.
	AO	Hannappel, E., et al., "Actin-Sequestering Ability of Thymosin $\beta_4$ , Thymosin $\beta_4$ Fragments, and Thymosin $\beta_4$ -Like Peptides as Assessed by the DNase I Inhibition Assay," BIOL. CHEM., vol. 374 (1993), pp. 117-122.
	AP	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	